

FILE COPY

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8063-3</u>	(office use only) Hydrologic Unit <u>10160010</u>
	Basin <u>James River</u>	
	Newspaper <u>Sisseton Courier PO Box 169, Sisseton 57262</u> <u>605 698-7642 (tues)</u>	
	<u>Public Opinion, PO Box 10, Watertown 57201 605 886-6901</u>	

RECEIVED
NOV 19 2014
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Rollin J. Morehouse

(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 8920 West 28th Street St. Louis Park MN 55426
(Address) (City) (State) (Zip Code)

Home Phone (952) 546-1003 Cell (952) 270-9333 Email rollinmorehouse@gmail.com

2. Amount of water claimed 2.28 *CFS or 1,025 **GPM ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply well

4. Location of point of diversion 2 wells in NW1/4 SW1/4 Section 10 - T122 North - R52West

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

County Roberts

5. County or counties where water will be used Roberts

6. Annual period during which water is to be used April to October 31

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
SW1/4 SW1/4 Section 10 - T122N - R52W	40		
SE1/4 SW1/4 Section 10 - T122N - R52W	40		
NW1/4 SW1/4 Section 10 - T122N - R52W	40		
NE1/4 SW1/4 Section 10 - T122N - R52W	40		

8. Give a description of the project. (Attach sheet if more space is needed)

Installation of a permanent well, pump, motor, pipe, and electrical system to support 160-acre center pivot sprinkler irrigation system for use in growing agricultural crops, primarily corn, soybeans, and small grains in Ortley Township, Roberts County, South Dakota.

I, Rollin J. Morehouse, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 2 Have test holes been drilled ☒ Yes ☐ No Drilled by Steffl Well Drilling
(if yes, please provide copies of logs)

b) If existing wells, how many Provide copy of log(s), if available. Drilled by

c) Well Depth 94 ft Depth to Top of Water Bearing Material Depth to Water from Surface

d) Distance to nearest existing domestic well:

On applicant's property On property owned by others 1,320 ft. north (estimate)

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field)

b) System Capacity (gallons) Year Constructed

c) Connected to the City of Sanitary System

3. Dugout Information

a) Surface Dimensions Depth

b) Depth to water (ground surface to water level)

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard

c) Crest Width

Crest Length

d) Height

e) Primary Outlet Capacity

If pipe, diameter

f) Secondary Spillway Capacity

Spillway Width

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

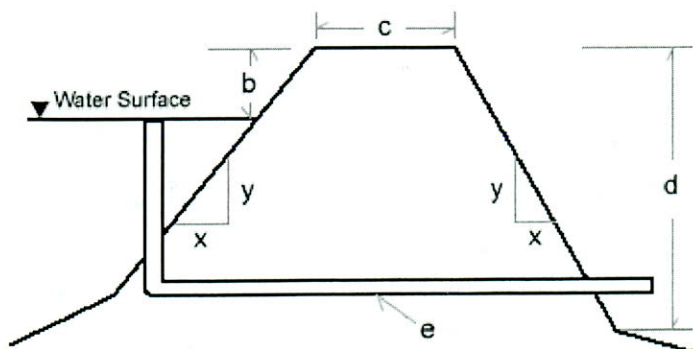
Upstream

Downstream

h) Surface Area of Impoundment

i) Storage Acre Feet

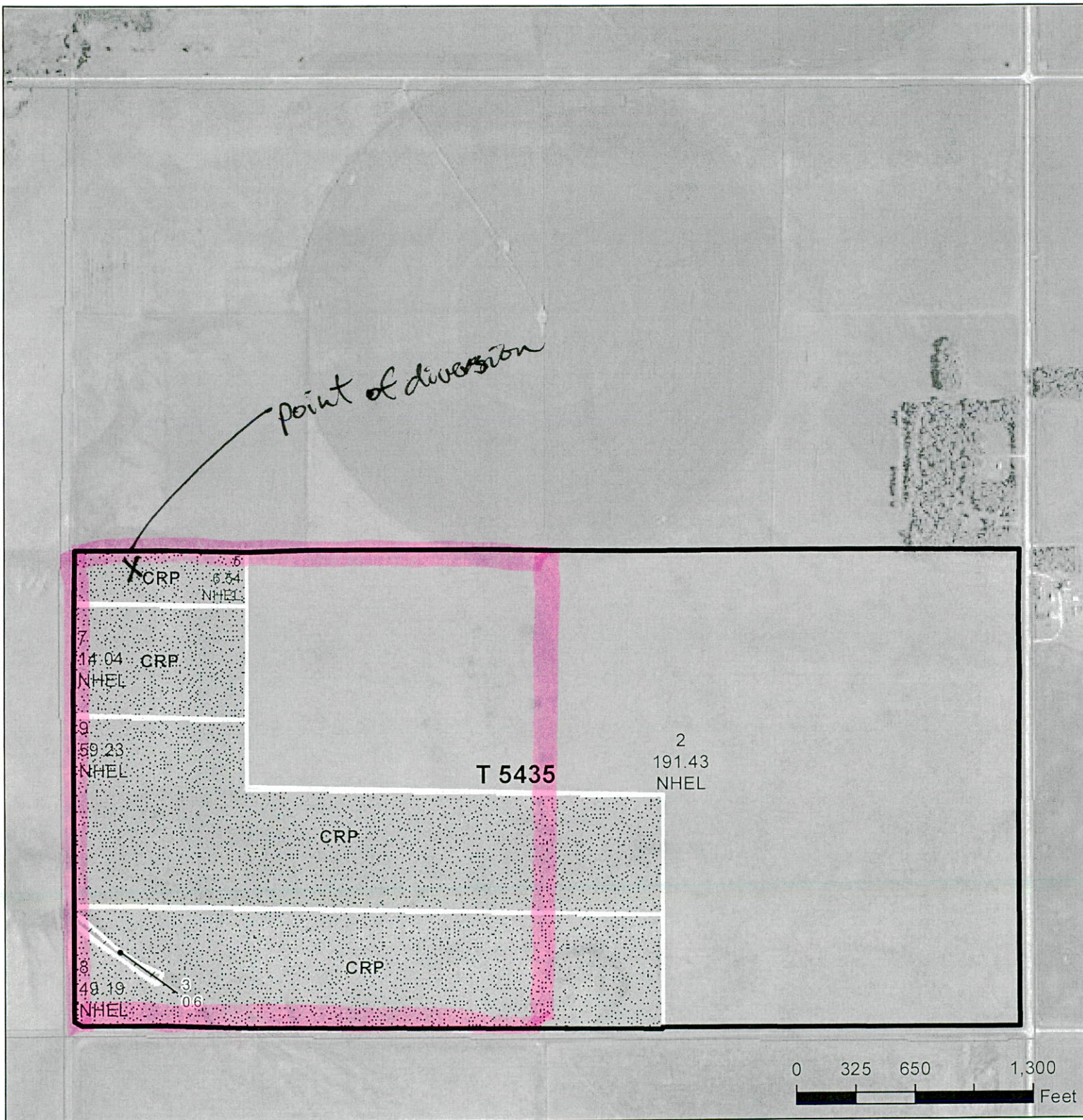
j) Drainage Area Above Dam Acres





United States
Department of
Agriculture

Roberts County, South Dakota



Common Land Unit
Cropland / / Non-cropland
Conservation Reserve Program

Wetland Determination Identifiers
● Restricted Use
▽ Limited Restrictions
□ Exempt from Conservation
Compliance Provisions

Tract Boundary Section Line



2012 Ortho-Photography - not to scale

2014 Program Year
RECEIVED
Map Created December 30, 2013

NOV 19 2014

Farm 1842

WATER RIGHTS
PROGRAM

10 -122N -52W

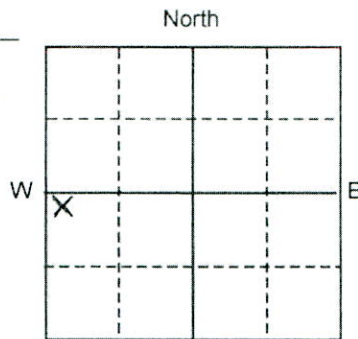
United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ SW ¼ Sec 10 Twp 122 Rg 52

County Roberts

Please mark well
location with an "X"

Well Completion Date

September 10, 2014

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

mud rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
HS Bentonite	5	Lb/gal	0.0 Ft	103.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
Pressure Tremmie

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis _____

Well Owner: Rollin Morehouse

Business Name: _____

Address: 8920 W 28th St

City, State, Zip: St. Louis Park MN 55426

WELL LOG:

FORMATION			DEPTH	
			FROM	TO
Top Soil	Brn	M	0	3
Sand/Gravel	Ylw	18-40slt	3	54
Clay	Blu	M	54	62
Sand/Gravel	Tan	20-100slt	62	93
Clay	Gry	M-H	93	103

STATIC WATER LEVEL

FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: _____

☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Test Hole #1

45 21 46.0N

97 09 46.1W

RECEIVED

NOV 19 2014

WATER RIGHTS
PROGRAMThis well was drilled under license # 463 and this
report is true and accurate.

Drilling firm: Steffl Drilling & Pump Inc / Michael Gjerde

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____